

## J.S. DEPARTMENT OF COMMERCE ATENT AND TRADEMARK OFFICE

#### Docket Number NFORMATION SUPPLEMEN 10191/3165 DISCLOSURE STATEMENT Application Number Filing Date Examiner Art Unit July 7, 2003 To Be Assigned 2651 10/614,540 Invention Title Inventor(s) METHOD OF ADJUSTING OR LOCALLY SIEGLE et al. MODIFYING A MAGNETIZATION IN A LAYER OF A MAGNETORESISTIVE LAYER SYSTEM, HEAT STAMP FOR HEATING THE MAGNETORESISTIVE

LAYER SYSTEM, AND USE OF SAME

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n envelope addressed to:

Commissioner for Patents P.O. Box 1450

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on

Date:

- In accordance with the dignatural isclosure under 37 C.F.R. § 1.56 and in conformance with the procedures of 37 C.F.R. §§ 1.97 and 1.98 and M.P.E.P. § 609, attorneys for Applicants hereby bring the following references to the attention of the Examiner. The references are listed on the attached modified PTO form 1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.
- 2. A copy of each patent, publication or other information listed on the modified PTO form 1449 is enclosed, except as otherwise indicated on the modified PTO form 1449.
- 3. It is believed that no fees are due in connection with this Information Disclosure Statement. However, should any fees be due, the Commissioner is authorized to charge Deposit Account No. 11-0600 for such fees. A duplicate of this communication is enclosed for charging purposes.

Dated:

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Dichard I

g. No. 22,490)

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# INFORMATION DISCLOSURE STATEMENT BY TRADE APPLICANTS PTO FORM 1449

| Atty. Docket No. 10191/3165 | Serial No.<br>10/614,540 |
|-----------------------------|--------------------------|
| Applicant(s) SIEGLE et al.  |                          |
| Filing Date July 7, 2003    | Group<br>2561            |

### **U. S. PATENT DOCUMENTS**

| EXAMINER'S<br>INITIALS | PATENT<br>NUMBER | PATENT<br>DATE | NAME | CLASS | SUBCLASS | FILING<br>DATE |
|------------------------|------------------|----------------|------|-------|----------|----------------|
|                        |                  |                |      |       |          |                |
|                        |                  |                |      |       |          |                |

#### FOREIGN PATENT DOCUMENTS

| EXAMINER'S<br>INITIALS | DOCUMENT<br>NUMBER | DATE           | COUNTRY | CLASS  | SUB-CLASS | TRANSLATION |    |
|------------------------|--------------------|----------------|---------|--------|-----------|-------------|----|
|                        |                    |                | 000     | 022.00 | 502 02100 | YES         | NO |
|                        | 1007 46 58         | March 17, 1998 | Japan   |        |           | * abstract  |    |

### OTHER DOCUMENTS

| EXAMINER'S<br>INITIALS | AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.                                                                                                                                                                                                                 |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        | Lee K et al., "Enhanced tunneling magnetoresistance and thermal stability of magnetic tunnel junction by rapid thermal anneal", JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, ELSEVIER, AMSTRDAM, NL., Bd. 239, Nr. 1-3, 02/2002, S. 120-122, XP-004351733. |
|                        | Wu et al., "Thermal annealin study of spin valves", JOURNAL OF APPLIED PHYSICS, Bd. 89, Nr. 01-06-11, S.7616-7618, XP-001072884.                                                                                                                           |

| EXAMINER                                                                                                                                                                                                                                    | DATE CONSIDERED |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--|--|--|--|
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |  |  |  |  |